

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D412-673 REV. A

REF. CANADIAN STC: SH96-88

REF. FAA STC: SR00563NY

DSI-9374-011 Electric Step Bushing Kit was created to prevent possible wear of the D205-634-011 Skidtube Kit and/or loosening of the ALS7 inserts (provided in the D412-673-011 Electric Step Kit) during normal operation of the BHT 212-706-105-003 Electric Step. The DSI kit replaces the existing ALS7 inserts and hardware with qty(4) D3620-1 Bushings and associated hardware.

- 1) Disconnect the BHT 212-075-418-001 and/or BHT 212-075-418-003 Actuators from the Dart D205-634-011 Skidtube Kit per the Aircraft Maintenance Manual. Remove and discard the qty(4) BHT 212-030-119-001 bolts that fasten then BHT 212-030-309-001 and BHT 212-030-310-001 Arms to the skidtube as shown in **Figure 1** and temporarily move the electric step away from the skidtube.
- 2) Drill out the qty(4) ALS7-428-165 inserts installed in the skidtube at the two locations shown in **Figure 1**. Drill a $\varnothing 0.406$ " pilot hole through the insert holes and the web in the centre of the skidtube. Enlarge the holes to $\varnothing 0.438^{+0.006}_{-0.000}$ ". Deburr and touch up the holes per ICA-D205-634.
- 3) Install the D3620-1 Bushings into each hole (4 places) with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class B2 sealant as shown in **Section A-A**.
- 4) Re-install the electric step by connecting the BHT 212-030-309-001 and BHT 212-030-310-001 Arms as shown in **Section A-A**. Ensure all nuts are installed on the inboard side of the skidtube. Re-attach the BHT 212-075-418-001 and/or BHT 212-075-418-003 Actuators to the skidtube per the Aircraft Maintenance Manual.

Parts List:

| Qty -011 | Part Number | Description |
|----------|--------------|------------------------------|
| X | DSI-9374-011 | Electric Step Bushing Kit |
| 4 | D3620-1 | BUSHING |
| 2 | AN6-53* | BOLT (OR AN6C53*) |
| 2 | AN310-6 | CASTELLATED NUT (OR AN310C6) |
| 4 | AN960JD616 | WASHER (OR AN960C616) |
| 2 | MS24665-300 | COTTER PIN (OR AN380C3-3) |

* It is acceptable to replace the AN6 bolts with longer or shorter AN6 bolts as required and/or install extra AN960JD616 washers under the nut to ensure proper installation of the cotter pin.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 07.07.19

CERT. NO.: SH96-88

ISSUE NO.: 3

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| A | NEW ISSUE | CB | 07.07.19 |
| REV. | DESCRIPTION | | BY DATE |
| DESIGN | CB | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | CB | | |
| CHECKED | LE | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9374 | SHEET 1 OF 2 |
| APPROVED |  | TITLE | SCALE |
| DE APPR. |  | ELECTRIC STEP BUSHING KIT | NTS |
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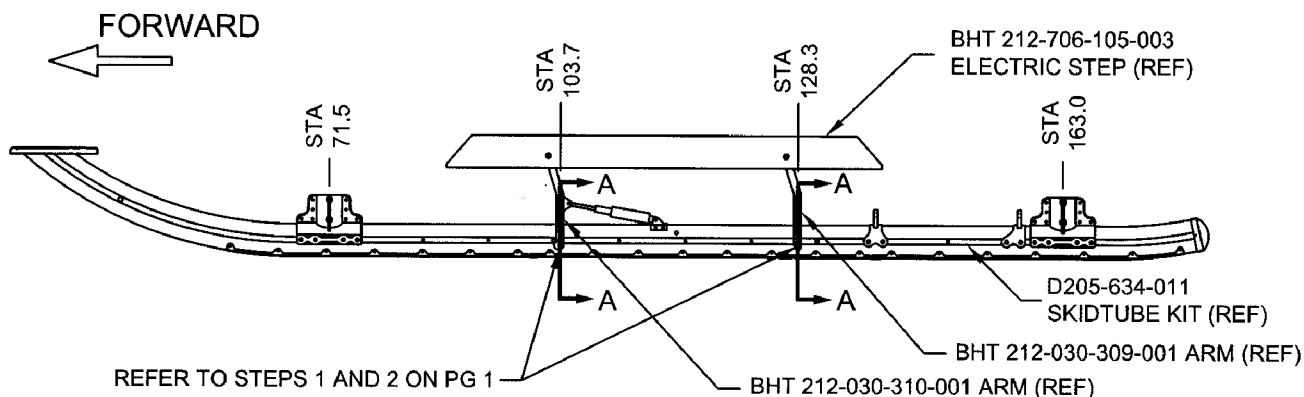
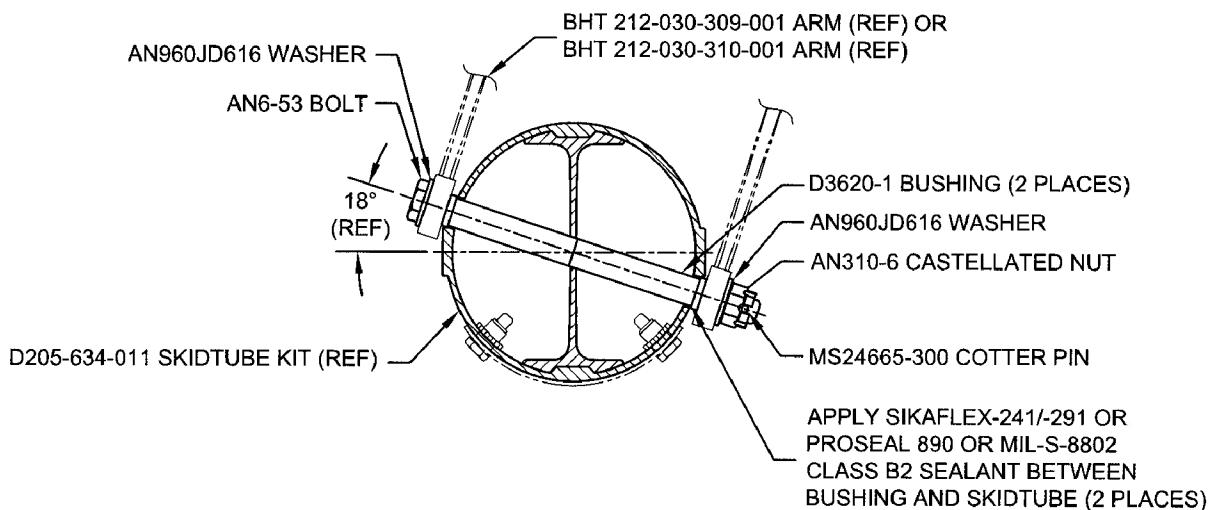


FIGURE 1 - TYPICAL BHT ELECTRIC STEP INSTALLATION
(REFER TO STEPS 1 AND 2 ON PG 1)



SECTION A-A
(REFER TO STEPS 3 AND 4 ON PG 1)

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